All-in-one bedside projection clock with FM radio and soothing sounds
Model: EW103U/A

USER MANUAL

OVERVIEW

FRONT VIEW

1. Projector
2. **VOL +/-**: increase / decrease volume when in radio / soothing sound mode
3. **TUNE ▲ / ▼** : auto search / adjust radio frequency when in radio mode
4. **RADIO ON/OFF**: turn radio on / off
5. **SLEEP**: activate sleep timer; adjust timer settings (120, 90, 60, 30, 15, 0)
6. **NATURE SOUND**: turn soothing sound on/off; select soothing sound

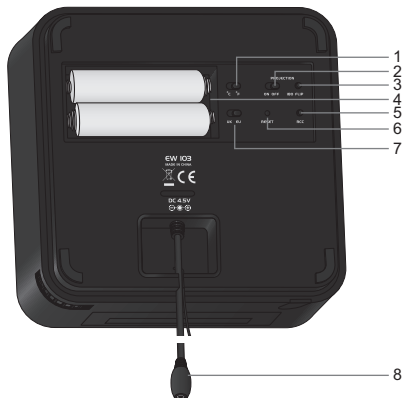7. **SNOOZE – LIGHT**: activate backlight and projection; activate snooze alarm

BACK VIEW
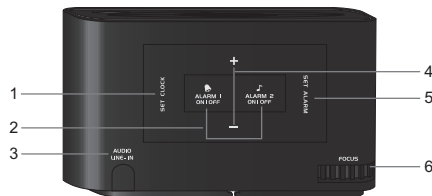
1. **SET CLOCK**: set time; confirm setting
2. **ALARM 1/2 ON / OFF**: enable / disable alarm 1/2
3. Socket for audio line-in
4. **+ / -** : increase / decrease value of the clock / alarm setting; toggle setting options
5. **SET ALARM**: display alarm time; set alarm
6. **FOCUS** wheel: adjust projection focus

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BOTTOM VIEW

1. **°C / °F**: select temperature unit
2. **PROJECTION ON / OFF:** turn projection on / off
3. **180° FLIP**: flip projection 180°
4. Battery compartment
5. **RCC**: search for radio clock signal
6. **RESET**: reset unit to default settings
7. **UK / EU**: select the nearest radio signal

8. AC adaptor socket / temperature sensor

LCD DISPLAY
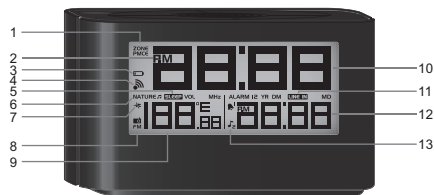
1. Time zone offset
2. AM / PM: 12 hour clock
3. 🔋 : batteries low / no battery
4. 📶 : radio controlled clock reception icon
5. SLEEP: sleep timer is on
6. NATURE 🎵 : nature sound is on
7. : adaptor disconnected
8. FM : radio is on
9. Indoor temperature
10. Clock
11. LINE-IN: external audio device successfully connected
12. Alarm time

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13. ♪' / ♪₂ : alarm 1 or 2 enabled

GETTING STARTED

POWER SUPPLY

Adaptor

The adaptor powers the unit. Plug adaptor into socket making sure the adaptor is not obstructed and is easily accessible to the unit.

NOTE

• To completely disconnect from power, the adaptor should be disconnected from the mains.

• The main unit and adaptor should not be exposed to wet conditions. No objects filled with liquid, such as vases, should be placed on the main unit and adaptor.

Insert batteries (for memory back-up only):

1. Remove the battery compartment cover.
2. Insert the batteries, matching the polarities.
3. Press **RESET** after each battery change.

NOTE Batteries should not be exposed to excessive heat such as sunshine or fire.

CLOCK

CLOCK RECEPTION

When brought within range of a clock signal, this product is designed to synchronize its clock automatically.

EW103U:

Slide **UK / EU** switch to select closest signal.

• UK: MSF-60 signal: within 1500km (932 miles) of Anthorn, England.

• EU: DCF-77 signal: within 1500km (932 miles) of Frankfurt, Germany.

EW103A:

• US: WWVB-60 signal: within 3200km (2000 miles) of Fort Collins, Colorado.

To search for signal reception: Press **RCC**.

Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal.

Clock reception indicator:

No signal	Weak signal	Strong signal
●	꙰ ꙰	꙰

In some cases, you may not receive the signal immediately.

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Due to the atmospheric disturbance, the best reception often occurs at night.

If signal reception is unsuccessful, place your unit next to a window, press **RCC** to attempt another signal search. Manually forcing another signal search will consume more battery power.

MANUALLY SET CLOCK

If located outside the radio signal range, you can manually set the clock.

NOTE Once clock is within range and receives radio signal, clock will automatically synchronise and replace the time / date that was set manually.

To set the clock manually:

1. Press **SET CLOCK**.
2. Press **+ / -** to change the settings. (Tip: Press and hold **+ / -** to rapidly change values).
3. Press **SET CLOCK** to confirm.
4. The settings order is: 12/24 hr format, time zone, time, year, calendar format (m/d), date.

TIP To quick exit at any stage during the setting, press and hold **SET CLOCK.**

EW103U: Time zone offset sets the clock +/- 23 hours from the received clock signal time. If you enter +1 in the time offset setting, this will give you your local time plus one hour.

EW103A: If you are in the US set the clock to:

| P | Pacific time | M | Mountain time |
| C | Central time | E | Eastern time |

ALARM

This clock allows you to wake up to either a conventional alarm or the sound of nature.

ALARM 1	Beep
ALARM 2	Adaptor connected: Nature sound (bird chirp)
	Batteries only: beep

NOTE

- If both alarms are set for the same time, beep alarm will sound.
- If time set for alarm 1 and 2 are within 2 minutes apart, both will turn on at set time, however nature sound will automatically be selected for snooze function.
- Alarm will sound despite the radio, nature sound or external music being on.
- If audio line-in cable is unplugged during alarm sound, snooze alarm will be disabled and only activate again the next day.

To set the alarm:

1. Press **SET ALARM** to enter alarm setting.

2. Press **+/-** to select desired alarm (1 or 2).

3. Press **SET ALARM** to confirm.

4. Press and hold **+/-** to set time, then **SET ALARM** to confirm. (Tip: Press and hold **+/-** to rapidly change values).

🔔' / 🔔₂ indicates which alarm (1/2) is on.

To activate / deactivate alarm:

• Alarm 1: Press **ALARM 1 ON/OFF** twice.

• Alarm 2: Press **ALARM 2 ON/OFF** twice.

Alarm time is displayed upon key first press.

To silence the alarm:

• Press **SNOOZE - LIGHT** to silence it for 8 minutes

OR

• Press any key to turn the alarm off and activate it again after 24 hours.

AUDIO OPTIONS

To operate radio, nature sound or play music from external device, adaptor must be connected.

SOOTHING SOUND

To select between soothing sounds (1-3):

• Press **NATURE SOUND** repeatedly.

NOTE This will automatically turn off the radio.

RADIO

To turn radio on /off: Press **RADIO ON/OFF**.

To select frequency:

• Press and hold **TUNE +/-** to auto search or press **TUNE +/-** to adjust frequency marginally.

For your convenience, the radio frequency will be stored in memory for the next time radio is turned on.

NOTE Nature sound will automatically turn off.

MUSIC FROM EXTERNAL AUDIO DEVICE

Using a cable, plug one end to your music storage device and one end to audio line-in socket located at the back of unit.

NOTE

• Nature sound and radio will automatically turn off and remain off even after line-in cable has been unplugged.

• Sleep timer function will be disabled.

To turn on radio or nature sound (while external device is connected):

• Press **RADIO ON / OFF** or **NATURE SOUND**.

To resume playing music from external device, press **RADIO ON / OFF** or **NATURE SOUND** again.

VOLUME CONTROL

• Press **VOL +/-**.

SLEEP TIMER

Sleep timer function can only be activated when either radio or nature sound is on.

To activate sleep timer:

• Press **SLEEP**.

SLEEP indicates sleep timer is on.

To select duration:

• Press **SLEEP** repeatedly.

To view time remaining:

• Press **SLEEP**.

To reset timer again, press **SLEEP** again.

NOTE Sleep timer cannot be activated if audio line-in cable is connected. SLEEP will blink to alert the user.

PROJECTION

This unit projects time and alarm status onto a dark background.

For continuous projection unit must be connected to the mains.

To turn (continuous) projection on / off:

• Slide **PROJECTION** switch to **ON / OFF**.

To turn on projection momentarily:

• Press any button.

To flip projected image by 180°:

• Press **180° FLIP**.

To focus image:

• Turn **FOCUS** wheel.

NOTE If projection is illuminated, do not look directly into the projector.

TEMPERATURE

To select temperature unit:

• Slide °**C /** °**F** switch.

NOTE Please keep the temperature sensor (adjacent to the

adaptor socket) away from electrical devices as heat from these devices will affect the accuracy of indoor temperature readings.

BACKLIGHT

To activate backlight:

• Press **SNOOZE – LIGHT** or any button located on the back of the unit (i.e., **ALARM 1/2 ON/OFF, SET CLOCK, SET ALARM, + / -**).

RESET

Press **RESET** to return to default settings.

SPECIFICATIONS

TYPE	DESCRIPTION
L x W x H	200 x 105 x 65 mm
	(7.9 x 4.1 x 2.6 in)
Weight	514g (18.1 oz) without battery
FM radio	87.5 – 108 MHz
Power	AC/DC 4.5V adaptor
	2 x UM-3 (AA) 1.5 V batteries

PRECAUTIONS

• Do not subject the unit to excessive force, shock, dust, temperature or humidity.

• Do not cover the ventilation holes with any items such as newspapers, curtains etc.

• Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.

• Do not clean the unit with abrasive or corrosive materials.

• Do not tamper with the unit's internal components. This invalidates the warranty.

• Only use fresh batteries. Do not mix new and old batteries.

• Images shown in this manual may differ from the actual display.

• When disposing of this product, ensure it is collected separately for special treatment and not as normal household waste.

• Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.

• The contents of this manual may not be reproduced without the permission of the manufacturer.

• Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

• Please note that some units are equipped with a battery

safety strip. Remove the strip from the battery

compartment before first use.

• Should there be any discrepancy between the English and other language versions, the English version shall apply and prevail.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

NOTE Features and accessories will not be available in all countries. For more information, please contact your local retailer.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products.

If you're in the US and would like to contact our Customer Care department directly, please visit:

https://us.oregonscientific.com/service/support.asp

For international inquiries, please visit:

https://us.oregonscientific.com/about/international.asp

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this All-in-one bedside projection clock with FM radio and soothing sounds (Model: EW103) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

Countries RTTE Approval Complied

All EU countries, Switzerland (CH)
and Norway (N)

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part

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15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.
- The socket-outlet shall be installed near the equipment and shall be easily accessible

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name:	Oregon Scientific, Inc.
Address:	19861 SW 95th Ave.,Tualatin,
	Oregon 97062 USA
Telephone No.:	1-800-853-8883

declare that the product

Product No.:	EW103
Product Name:	All-in-one bedside projection clock
	with FM radio and soothing sounds
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate,
	Phase 1, 41 Man Yue St.,
	Hung Hom, Kowloon,
	Hong Kong

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